



A Brief Guide to Accepting Polluted Soil in a Class III Landfill

ADEC Solid Waste Program



Polluted Soils Pose A Risk:

The **soil is** deemed too **polluted** to stay in place.

The **landfill becomes responsible** for it.

If disposal is mismanaged it can continue to **contaminate.**



Class III Disposal Options in a Permitted Landfill

Must be permitted or it is illegal disposal

18 AAC 60.025 Allows for simple disposal of soil in Class III landfills if:

- ✓ Petroleum hydrocarbons are the only contaminant
- ✓ Concentrations do not exceed:
 - 900 mg/kg for Gas Range Organics GRO
 - 2,000 mg/kg for Diesel Range Organics DRO
 - 4,500 mg/kg for Residual Range Organics RRO**MUST BE TESTED FOR ALL 3 ANALYTES**
- ✓ Volume is 500 cubic yards or less
- ✓ Generated Locally
- ✓ Soil originated from the cleanup of a **single spill incident**

Anything else = **Demonstration + Beneficial Use**





Disposal of Low-Level Petroleum Polluted Soil: Class III

Guidance

August 2019

Alaska Department of Environmental Conservation
Division of Environmental Health
Solid Waste Program

Class III landfills serve the most remote communities in Alaska.





Division of Environmental Health
SOLID WASTE PROGRAM

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HOW DO I DISPOSE OF....

<http://dec.alaska.gov/eh/solid-waste/how-do-i-dispose-of/>



Disposal of Low-Level Petroleum Polluted Soil in a Class III Landfill - Application

Alaska Department of Environmental Conservation
Solid Waste Program

DEC Office Only:

Facility Name:

Authorization #:

<http://dec.alaska.gov/eh/solid-waste/permitapps/>

Criteria from 18 AAC 60.025(b):

Soil must originate from the clean-up project of a single spill incident within the community served by the landfill.

Soil must contain only petroleum contaminants.

Total quantity of soil to be disposed must be less than 500 cubic yards.

If your project does not meet these criteria, please contact ADEC Solid Waste Program to review disposal options.

Project Information:

Community Name:

Project Name:

Soil Volume:

cubic yards

Sampling: *Soil samples must be collected from stockpiled soil at the frequency listed below and tested for Gasoline Range Organics (GRO), Method AK 101; Diesel Range Organics, Method AK 102; Residual Range Organics, Method AK 103.

Stockpile size (cubic yards)	0-10	11-50	51-100	101-300	301-500
# of samples required	1	2	3	4	5

Results: Attach a copy of the laboratory report.

Highest level of GRO:		mg/kg	Results must be less than:	900 mg/kg
Highest Level of DRO:		mg/kg	Results must be less than:	2,000 mg/kg
Highest Level of RRO:		mg/kg	Results must be less than:	4,500 mg/kg

Acknowledgements:

Landfill:

By signing below, the Landfill Permittee acknowledges that the landfill is willing to accept the polluted soil and that it will be managed within the landfill without disrupting regular operations.

Responsible Party:

By signing below the generator of the soil certifies under the penalty of perjury that the information in the application is true, accurate, and complete.

Organization:

Organization:

Contact:

Contact:

Address:

Address:

City:

State:

City:

State:

Phone:

Zip:

Phone:

Zip:

Signature (below):

Date:

Signature (below):

Date:

X

X

- ✓ This form must be completely filled out and signed by both the soil generator and the landfill.
- ✓ Once completed it must be submitted with a full copy of the sampling lab report to the ADEC Solid Waste Program.
- ✓ Application and sample results will be evaluated and if found to be regulatory compliant an approval for disposal letter will be issued by the ADEC Solid Waste Program to the landfill permit holder.
- ✓ **THEN** the polluted soil can go to the landfill.



WELCOME



Bob Blankenburg, P.E.
Program Manager

The Solid Waste Program regulates health and environmental compliance at solid waste facilities through a combination of design review, permits and authorizations, inspections, monitoring, and compliance assistance. Program staff are dedicated to improving compliance and permitting at all solid waste facilities in Alaska.

WASTE IN RURAL
COMMUNITIES

MONITORING

DATABASE OF FACILITIES

MAP OF SOLID WASTE SITES

GENERAL INFORMATION

- [How Do I Dispose of...](#)
- [Reduce, Reuse, Recycle in Alaska](#)
- [What is Food Waste?](#)
- [Complaints](#)
- [Contact Us](#)
- [Septic Systems](#) (Wastewater Program)

RURAL RESOURCES

- [Find Your Rural Landfill Specialist](#)
- [Waste in Rural Communities](#)
- [Waste Erosion Assessment and Review Project](#)
- [IGAP Resources and Training \(ANTHC\)](#)

TRAINING

- [Rural Alaska Landfill Operator \(RALO\): December 17-20, 2019, Kotzebue](#)
- [Rural Alaska Landfill Administrator \(RALA\): Online course](#)
- [Solid Waste Monthly Teleconferences: Registration](#)

Applications for polluted
soil disposal

Landfill information

[HTTP://DEC.ALASKA.
GOV/EH/SW/](http://dec.alaska.gov/eh/sw/)

Demonstration and Beneficial Use

- Class III Landfills have the same requirements for a demonstration as the larger Class I and II landfills
- Beneficial use cannot be financial
- The soil must have a true beneficial use at the landfill
 - In many cases, polluted soil can be used as cover material, however:
 - Trench and fill landfills generate their own cover material
 - As a beneficial use it still requires additional clean cover to prevent exposure



Polluted Soil: Beneficial Use in Class III Landfills

Guidance

August 2019

Alaska Department of Environmental Conservation
Division of Environmental Health
Solid Waste Program

This guidance document is intended to clarify the regulatory requirements for the beneficial use of polluted soil in a Class III landfill. In general, this applies to any polluted soil that does not meet the requirements for disposal in a Class III landfill as discussed in the *Disposal of Low-Level Petroleum Polluted Soil: Class III* guidance document (www.dec.alaska.gov/eh/solid-waste/how-do-i-dispose-of/).

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HOW DO I DISPOSE OF....

<http://dec.alaska.gov/eh/solid-waste/how-do-i-dispose-of/>

If the polluted soil is coming from a Contaminated Sites Cleanup please note;

The Transport Approval form does not give approval for disposal in the landfill.



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites and Prevention and Emergency Response Programs

Transport, Treatment, & Disposal Approval Form for Contaminated Media

DEC HAZARD/SPILL ID #	NAME OF SPILL OR CONTAMINATED SITE		
SITE OR SPILL LOCATION			
CURRENT LOCATION AND TYPE OF CONTAMINATED MEDIA		SOURCE OF THE CONTAMINATION	
COMPOUNDS OF CONCERN	ESTIMATED VOLUME	DATE(S) GENERATED	
POST TREATMENT ANALYSIS REQUIRED (such as GRO, DRO, RRO, BTEX, and/or Chlorinated Solvents)			
COMMENTS			

Facility Accepting the Contaminated Media

NAME OF THE FACILITY	PHYSICAL ADDRESS/PHONE NUMBER
----------------------	-------------------------------

Responsible Party and Contractor Information

BUSINESS/NAME	ADDRESS/PHONE NUMBER
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Name of the Person Requesting Approval (printed)

Title/Association

Signature

Date

Phone Number

-----DEC USE ONLY-----

Based on the information provided, ADEC approves transport of the above-described media for treatment in accordance with the approved facility operations plan. The Responsible Party or their consultant must submit to the DEC Project Manager a copy of weight/volume receipts of the loads transported to the facility and a post treatment analytical report. If the media is contaminated soil, it shall be transported as a covered load in compliance with 18 AAC 60.015.

DEC Project Manager Name (printed)

Project Manager Title

Signature

Date

Phone Number

Rev. 12/2014

Note: Landfill disposal approval is granted through Solid Waste Regulation 18 AAC 60.025



To get the landfill gates open for polluted soil disposal...

It requires an issued approval from the Solid Waste Program

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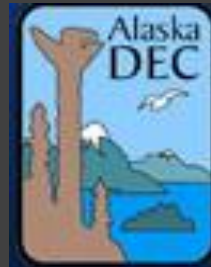
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Questions?



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